

April 4, 2017

Mr. Dennis Curran
FGS/CMT
136 Maine Ave
Bangor, ME 04401

RE: Katahdin Lab Number: SK2126
Project ID: Highlander Center
Project Manager: Ms. Kristen Schultz
Sample Receipt Date(s): March 17, 2017

Dear Mr. Curran:

Please find enclosed the following information:

- * Report of Analysis (Analytical and/or Field)
- * Quality Control Data Summary
- * Chain of Custody (COC)
- * Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

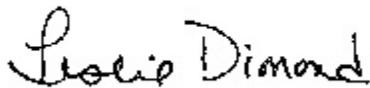
Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to <http://www.katahdinlab.com/cert.html> for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,
KATAHDIN ANALYTICAL SERVICES



Authorized Signature

04/04/2017

Date

TECHNICAL NARRATIVE

Organics Analysis

The samples of Work Order SK2126 were analyzed in accordance with “Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Compendium Method TO-15.” 2nd Edition, 1999, Office of Research and Development, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis.

TO-15 Analysis

Samples SK2126-2 through 5 had high responses for one or more internal standards, which were outside the method acceptance limit of -40% to +40% of the responses of the internal standards for the calibration midpoint standard. The sample canisters were pressurized, and volume adjusted for undiluted reanalysis at the client's request. Samples SK2126-2RA and 3RA had acceptable internal standard responses. The reanalyses for these samples are reported. Samples SK2126-4RA and 5RA had high responses for two or more internal standards. The the initial analyses and reanalyses for these samples are reported.

There were no other protocol deviations or observations noted by the organics laboratory staff.

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.
- Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL, "U" LOQ or "U" LOD, where the rate of false negatives is <1%.
- * Compound recovery or percent RPD (relative percent difference) was outside of quality control limits.
- D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), but above the Method Detection Limit (MDL).
- or
- J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.
- B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.
- C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).
- L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.
- M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.
- N Presumptive evidence of a compound based on a mass spectral library search.
- A Indicates that a tentatively identified compound is a suspected aldol-condensation product.
- P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-1
Client ID: SS#2-80 ELM
Project: Highlander Center
SDG: SK2126
Lab File ID: A4251.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1	.1	0.54	0.044
Trichloroethene	J	0.54	ug/m3	1	.1	0.54	0.048
Tetrachloroethene	E	440	ug/m3	1	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-1DL
Client ID: SS#2-80 ELM
Project: Highlander Center
SDG: SK2126
Lab File ID: A4246.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.77	ug/m3	1	.1	5.1	0.77
1,1-Dichloroethene	U	0.71	ug/m3	1	.1	7.9	0.71
trans-1,2-Dichloroethene	U	1.2	ug/m3	1	.1	7.9	1.2
1,1-Dichloroethane	U	0.89	ug/m3	1	.1	8.1	0.89
cis-1,2-Dichloroethene	U	1.2	ug/m3	1	.1	7.9	1.2
1,2-Dichloroethane	U	0.81	ug/m3	1	.1	8.1	0.81
1,1,1-Trichloroethane	U	0.87	ug/m3	1	.1	11.	0.87
Trichloroethene	U	0.97	ug/m3	1	.1	11.	0.97
Tetrachloroethene		810	ug/m3	1	.1	14.	1.8

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-2RA
Client ID: SS#3-88 ELM BACK
Project: Highlander Center
SDG: SK2126
Lab File ID: A4275.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1.597	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1.597	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1.597	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1.597	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1.597	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1.597	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1.597	.1	0.54	0.044
Trichloroethene	J	0.17	ug/m3	1.597	.1	0.54	0.048
Tetrachloroethene		14.	ug/m3	1.597	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-3RA
Client ID: SS#4-80 FRON
Project: Highlander Center
SDG: SK2126
Lab File ID: A4276.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1.647	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1.647	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1.647	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1.647	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1.647	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1.647	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1.647	.1	0.54	0.044
Trichloroethene	J	0.24	ug/m3	1.647	.1	0.54	0.048
Tetrachloroethene		52.	ug/m3	1.647	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-4
Client ID: DUP-SS
Project: Highlander Center
SDG: SK2126
Lab File ID: A4254.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1	.1	0.54	0.044
Trichloroethene	J	0.26	ug/m3	1	.1	0.54	0.048
Tetrachloroethene		51.	ug/m3	1	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-4RA
Client ID: DUP-SS
Project: Highlander Center
SDG: SK2126
Lab File ID: A4277.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1.823	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1.823	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1.823	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1.823	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1.823	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1.823	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1.823	.1	0.54	0.044
Trichloroethene	J	0.24	ug/m3	1.823	.1	0.54	0.048
Tetrachloroethene		49.	ug/m3	1.823	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-5
Client ID: SS#5-86 ELM
Project: Highlander Center
SDG: SK2126
Lab File ID: A4255.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1	.1	0.54	0.044
Trichloroethene		0.80	ug/m3	1	.1	0.54	0.048
Tetrachloroethene	E	280	ug/m3	1	.1	0.68	0.088

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-5DL
Client ID: SS#5-86 ELM
Project: Highlander Center
SDG: SK2126
Lab File ID: A4250.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.77	ug/m3	1	.1	5.1	0.77
1,1-Dichloroethene	U	0.71	ug/m3	1	.1	7.9	0.71
trans-1,2-Dichloroethene	U	1.2	ug/m3	1	.1	7.9	1.2
1,1-Dichloroethane	U	0.89	ug/m3	1	.1	8.1	0.89
cis-1,2-Dichloroethene	U	1.2	ug/m3	1	.1	7.9	1.2
1,2-Dichloroethane	U	0.81	ug/m3	1	.1	8.1	0.81
1,1,1-Trichloroethane	U	0.87	ug/m3	1	.1	11.	0.87
Trichloroethene	U	0.97	ug/m3	1	.1	11.	0.97
Tetrachloroethene		620	ug/m3	1	.1	14.	1.8

Report of Analytical Results

Client: FGS/CMT
Lab ID: SK2126-5RA
Client ID: SS#5-86 ELM
Project: Highlander Center
SDG: SK2126
Lab File ID: A4278.D

Sample Date: 15-MAR-17
Received Date: 17-MAR-17
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1.632	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1.632	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1.632	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1.632	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1.632	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1.632	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1.632	.1	0.54	0.044
Trichloroethene		0.86	ug/m3	1.632	.1	0.54	0.048
Tetrachloroethene	E	280	ug/m3	1.632	.1	0.68	0.088

Form 4 Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
Project : Highlander Center
Lab File ID : A4245.D
Instrument ID : AIR1
Heated Purge : No

SDG : SK2126
Lab Sample ID : WG202519-2
Date Analyzed : 29-MAR-17
Time Analyzed : 15:18

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG202519-1	A4243.D	03/29/17	13:52
SS#2-80 ELM	SK2126-1DL	A4246.D	03/29/17	15:59
SS#5-86 ELM	SK2126-5DL	A4250.D	03/29/17	18:41
SS#2-80 ELM	SK2126-1	A4251.D	03/29/17	19:27
DUP-SS	SK2126-4	A4254.D	03/29/17	21:44
SS#5-86 ELM	SK2126-5	A4255.D	03/29/17	22:30

Report of Analytical Results

Client:
Lab ID: WG202519-2
Client ID: Method Blank Sample
Project:
SDG: SK2126
Lab File ID: A4245.D

Sample Date:
Received Date:
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1	.1	0.54	0.044
Trichloroethene	U	0.048	ug/m3	1	.1	0.54	0.048
Tetrachloroethene	U	0.088	ug/m3	1	.1	0.68	0.088

LCS Recovery Report

Client:
Lab ID: WG202519-1
Client ID: LCS
Project:
SDG: SK2126
LCS File ID: A4243.D

Sample Date:
Received Date:
Extract Date: 29-MAR-17
Extracted By: WAS
Extraction Method: TO 15
Lab Prep Batch: WG202519

Analysis Date: 29-MAR-17
Analyst: WAS
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Vinyl Chloride	98.0	5.00	4.90	ppb/v	70-130
1,1-Dichloroethene	92.0	5.00	4.60	ppb/v	70-130
trans-1,2-Dichloroethene	96.0	5.00	4.80	ppb/v	70-130
1,1-Dichloroethane	92.0	5.00	4.60	ppb/v	70-130
cis-1,2-Dichloroethene	98.0	5.00	4.90	ppb/v	70-130
1,2-Dichloroethane	96.0	5.00	4.80	ppb/v	70-130
1,1,1-Trichloroethane	102.	5.00	5.10	ppb/v	70-130
Trichloroethene	100.	5.00	5.00	ppb/v	70-130
Tetrachloroethene	96.0	5.00	4.80	ppb/v	70-130

Form 4 Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
Project : Highlander Center
Lab File ID : A4273.D
Instrument ID : AIR1
Heated Purge : No

SDG : SK2126
Lab Sample ID : WG202521-2
Date Analyzed : 03-APR-17
Time Analyzed : 14:35

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG202521-1	A4271.D	04/03/17	13:08
SS#3-88 ELM BACK	SK2126-2RA	A4275.D	04/03/17	16:15
SS#4-80 FRON	SK2126-3RA	A4276.D	04/03/17	17:05
DUP-SS	SK2126-4RA	A4277.D	04/03/17	17:57
SS#5-86 ELM	SK2126-5RA	A4278.D	04/03/17	18:47

Report of Analytical Results

Client:
Lab ID: WG202521-2
Client ID: Method Blank Sample
Project:
SDG: SK2126
Lab File ID: A4273.D

Sample Date:
Received Date:
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Vinyl Chloride	U	0.038	ug/m3	1	.1	0.26	0.038
1,1-Dichloroethene	U	0.036	ug/m3	1	.1	0.40	0.036
trans-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,1-Dichloroethane	U	0.044	ug/m3	1	.1	0.40	0.044
cis-1,2-Dichloroethene	U	0.059	ug/m3	1	.1	0.40	0.059
1,2-Dichloroethane	U	0.040	ug/m3	1	.1	0.40	0.040
1,1,1-Trichloroethane	U	0.044	ug/m3	1	.1	0.54	0.044
Trichloroethene	U	0.048	ug/m3	1	.1	0.54	0.048
Tetrachloroethene	U	0.088	ug/m3	1	.1	0.68	0.088

LCS Recovery Report

Client:
Lab ID: WG202521-1
Client ID: LCS
Project:
SDG: SK2126
LCS File ID: A4271.D

Sample Date:
Received Date:
Extract Date: 03-APR-17
Extracted By: AAB
Extraction Method: TO 15
Lab Prep Batch: WG202521

Analysis Date: 03-APR-17
Analyst: AAB
Analysis Method: EPA TO-15
Matrix: AR
% Solids: NA
Report Date: 03-APR-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Vinyl Chloride	92.0	5.00	4.60	ppb/v	70-130
1,1-Dichloroethene	90.0	5.00	4.50	ppb/v	70-130
trans-1,2-Dichloroethene	90.0	5.00	4.50	ppb/v	70-130
1,1-Dichloroethane	88.0	5.00	4.40	ppb/v	70-130
cis-1,2-Dichloroethene	94.0	5.00	4.70	ppb/v	70-130
1,2-Dichloroethane	96.0	5.00	4.80	ppb/v	70-130
1,1,1-Trichloroethane	100.	5.00	5.00	ppb/v	70-130
Trichloroethene	98.0	5.00	4.90	ppb/v	70-130
Tetrachloroethene	90.0	5.00	4.50	ppb/v	70-130

Client: FGS/CMT	KAS PM: KSS	Sampled By: Cbut
Project:	KIMS Entry By: GM	Delivered By: KAS
KAS Work Order#: SK2126/SK21275	KIMS Review By:	Received By: GM
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 3-17-17/1430

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		/			
2. Chain of Custody present in cooler?	/				
3. Chain of Custody signed by client?	/				
4. Chain of Custody matches samples?	/				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.		-		/	Temp (°C): N/A
Samples received at <6 °C w/o freezing?				/	Note: Not required for metals (except Hg soil) analysis.
Ice packs or ice present?				/	The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?				/	
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				/	Note: No cooling process required for metals (except Hg soil) analysis.
6. Volatiles: Aqueous: No bubble larger than a pea? Soil/Sediment: Received in airtight container? Received in methanol? Methanol covering soil? D.I. Water - Received within 48 hour HT?				/	
Air: Refer to KAS COC for canister/flow controller requirements.	√ if air included				
7. Trip Blank present in cooler?				/	
8. Proper sample containers and volume?	/				
9. Samples within hold time upon receipt?	/				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12				/	
* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments.					



600 Technology Way
P.O. Box 540
Scarborough, ME 04070
Tel: (207) 874-2400 Fax: (207) 775-4029

Air Analysis Chain of Custody

Client: FGS/CMT INC Contact: Dennis Curran Phone: 207-947-3184 Fax: _____
 Address: 136 MAINE AVE City: BANGOR State: ME Zip: 04401
 Project Name/No.: Highlander Center E-mail: dcurran@fgs.com

Billing Address (if different): _____
 Sampler (Print/Sign): Dennis Curran Copies To: _____

Lab Use Only Work Order #: SK2126 KAS Project Manager: Rick-vp
 Shipping: UPS Fed-Ex _____ Mail _____ Drop-Off _____

SUB-SLAB SAMPLES

Sample Identification and/or Lot #	Date	Collection			Matrix	Sampler	Can Size	Can ID	Flow Controller ID	Requested Services	Comments
		Start Time	End Time	Initial Vac							
<u>55#2 - 80 Elm</u>	<u>3/15/17</u>	<u>11:39</u>	<u>11:39</u>	<u>25.5</u>	<u>0</u>	<u>A</u>	<u>1.4</u>			<input checked="" type="checkbox"/>	
<u>55#3 - 88 Elm Back</u>	<u>3/15/17</u>	<u>11:54</u>	<u>12:08</u>	<u>24.5</u>	<u>0</u>	<u>A</u>	<u>1.4</u>	<u>015V</u>		<input checked="" type="checkbox"/>	
<u>55#4 88 front</u>	<u>"</u>	<u>12:01</u>	<u>12:19</u>	<u>28</u>	<u>0</u>	<u>A</u>	<u>1.4</u>	<u>0088</u>		<input checked="" type="checkbox"/>	
<u>DVP - 65#</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>25</u>	<u>0</u>	<u>A</u>	<u>1.4</u>	<u>0026</u>		<input checked="" type="checkbox"/>	
<u>55#5 8V Elm</u>	<u>"</u>	<u>12:34</u>	<u>12:51</u>	<u>27</u>	<u>0</u>	<u>A</u>	<u>1.4</u>	<u>0104</u>		<input checked="" type="checkbox"/>	

Relinquished By: _____ Received By: _____
 Date/Time: 3/15/17 9:30 Date/Time: 3/17/17 9:30
 Relinquished By: _____ Received By: _____

Katahdin inspects and verifies all equipment including, but not limited to, canisters and flow controllers before being sent to the client. As the client you have agreed to pay a rental fee for use of this equipment, which is the sole property of Katahdin. All equipment will be inspected for damage and completeness upon return to Katahdin. In the event that rental equipment is missing and/or damaged, by signing this COC, you (the client) agrees to pay Katahdin for replacement of any unuseable, damaged or missing equipment.



Katahdin Analytical Services
Login Chain of Custody Report (Ino1)
 Mar. 22, 2017

Login Number: SK2126

Account: FGS001

FGS/CMT

Project: FGS AIRCL

NoWeb

08:56 AM

Quote/Incoming:

Login Information:

ANALYSIS INSTRUCTIONS : air job. ND to MDL for TO 15 - chlorinated compounds only
 CHECK NO. :
 CLIENT PO# :
 CLIENT PROJECT MANAGE :
 CONTRACT :
 COOLER TEMPERATURE : n/a
 DELIVERY SERVICES : KAS
 EDD FORMAT : KAS064QC-XLS
 LOGIN INITIALS : GN
 PM : KSS
 PROJECT NAME : Highlander Center
 QC LEVEL : II+
 REGULATORY LIST :
 REPORT INSTRUCTIONS : email pdf and invoice to dennis, no HC, merge results for EDD, email invoice also to lcall@fgscmt.com
 SDG ID :
 SDG STATUS :

Primary Report Address:

Dennis Curran
 FGS/CMT
 136 Maine Ave

Bangor, ME 04401

dcurran@fgscmt.com

Primary Invoice Address:

Sharon Cormier
 FGS/CMT
 136 Maine Ave

Bangor, ME 04401

Report CC Addresses:

Invoice CC Addresses:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SK2126-1	SS#2-80 ELM	15-MAR-17 11:39	17-MAR-17			29-MAR-17	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>			<i>Bottle Count</i>	<i>Comments</i>
Air	S CANISTER_RENTAL						
Air	S TO-15-S	14-APR-17	Canister				
SK2126-2	SS#3-88 ELM BACK	15-MAR-17 12:08	17-MAR-17			29-MAR-17	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>			<i>Bottle Count</i>	<i>Comments</i>
Air	S CANISTER_RENTAL						
Air	S TO-15-S	14-APR-17	Canister				
SK2126-3	SS#4-80 FRON	15-MAR-17 12:19	17-MAR-17			29-MAR-17	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>			<i>Bottle Count</i>	<i>Comments</i>
Air	S CANISTER_RENTAL						
Air	S TO-15-S	14-APR-17	Canister				
SK2126-4	DUP-SS	15-MAR-17 00:00	17-MAR-17			29-MAR-17	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>			<i>Bottle Count</i>	<i>Comments</i>
Air	S CANISTER_RENTAL						
Air	S TO-15-S	14-APR-17	Canister				
SK2126-5	SS#5-86 ELM	15-MAR-17 12:51	17-MAR-17			29-MAR-17	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>			<i>Bottle Count</i>	<i>Comments</i>
Air	S CANISTER_RENTAL						
Air	S TO-15-S	14-APR-17	Canister				

Total Samples: 5

Total Analyses: 10